DIEV·ET·MON·DROIT

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R. Somerset

AN exact and true Definition of the moſt Stupendious Water-commanding Engine, invented by the Right Honourable (and deſervedly to be praiſed and admired) *Edward Somerſet*, Lord Marqueſs of *Worceſter*, and by his Lordſhip himſelf preſented to his moſt Excellent Majeſty *Charles* the Second, our moſt gracious Sovereign.

An Act of Parliament thereupon granted, with great applauſe of both Houſes, being through his Majeſties particular favour paſſed, by ſpecial Commiſſion to the Right Honourable the Earl of *Clarenden*, Lord High Chancellour of *England*; the Earl of *Southampton*, Lord High Treaſurer; the Lord *Roberts*, Lord Privy Seal, third Officer of the Crown, preceding all Dukes, not of the Blood Royal; the Duke of *Albemarle* his Grace, moſt deſervedly by his

47.3.13.

transcendent merits never to be forgotten, Lord General of his Majesties Land-forces; the Lord Marques of *Dorchester*, and the Earl *Lynsey*, Lord High Chamberlain, by his place preceding all Earls, both likewise of the Privy Council: They passed the said Act upon the third of *June*, 1663. For the more expedition, and in Testimony of the great consequence thereof to the King and Kingdom.

His most Excellent Majesty having the tenth part, without deducting of Charges, freely given him by the said Lord Marques, and there evidently accruing a considerable Profit and Benefit to every individual Subject of the whole Nation, if he either have surrounded Marish-ground to drein, or dry Land to improve; Commodities to sell portable from Town to Town, and through the Countrys to the Towns by Cuts thus fed by water; or if he have (I further say) Mines wherewith to enrich himself withall, Houses to be served, or Gardens to be beautified by plentiful

Foun-

Fountains with little charge, yet certain in ever ſo dry a Summer: and there being indeed no place but either wanteth water, or is overburdened therewith, and by this Engine either defect is remediable, that is to ſay, water neceſſary to man-kind, furniſhed with the pleaſantneſs thereof, procured, and the water unneceſſary, as eaſily rejected.

Thus whole Cities may be kept Clean, Delightful and Wholeſome, needing no other Scavengery then by means thereof to void their dirt, and avoid noiſomneſs, the Cauſe of Infection, Sickneſſes and Contagion it ſelf, by Stenches commonly ingendring and fomenting the ſame.

After the Act of Parliament, there is here ſet down a Latin *Elogium*, & an Engliſh *Panegirick*, both of them compoſed through duty and gratitude by an Antient Servant of his Lordſhips, preſuming to begin the way to the greateſt Wits and Poets to dilate upon ſo plentiful and admirable a Theam,

Theam, and ſo deſerving a perſon of King and Kingdom, and indeed of all that ever knew him.

This Antient Servant of his Lordſhips, hath for forty years been an eye witneſs of his great ingenuity, indefatigable pains, and vaſte expences in perfecting for publique ſervice, not onely this moſt Stupendious Water-commanding Engine, but likewiſe ſeveral other rare, uſeful, and never formerly heard of Mathematical Concluſions, of which he hath owned a Century, and thereunto I refer you: though this alone were enough to eternalize his Name to all Ages and future times.

I think it not amiſs to give further notice in his Lordſhips behalf, that he intends within a moneth or two to erect an Office, and to intruſt ſome very reſponſible and honourable perſons with power to Treat and Conclude with ſuch as deſire at a reaſonable rate to reap the benefit of the ſame Water-commanding Engine, in any of the afore-

aforesaid useful and beneficial operations, whereof his Majesty is to reap the first fruit; and then the whole Kingdom in general, before his Lordship is re-imbursed, and his reward beginneth; whose laudable inventions Almighty God prosper with blessings on earth, and reward in heaven.

Most

Moſt Gracious Sovereign,

THe ſame individual Definition of my Water-work, which I formerly preſumed to put into Your Royal Hands, I again adventure to preſent to Your Majeſty; praying Your Belief of it, as Your Majeſty ſhall find it true by comparing it with the real Effect; which if found punctually agreeing, Vouchſafe then not to be apt hereafter to lend a believing Ear to ſuch perſons, as Malice cauſeth to detract from, or Ignorance to ſlight what ſhall (though never ſo ſeemingly ſtrange) be averr'd by me, who will never be convinced of a Falſhood in Word or Deed towards Your Sacred Majeſty; before whom I ſhall ever ſpeak as in the preſence of Almighty God, whoſe Vicegerent on Earth I deem You:

And

And to Your Majesties transcendent Judgment I submit all, and will presume to subscribe my self,

SIR,

Your Sacred Majesties
Faithfully-Devoted, and passionately-
Affected, Useful, if cherished,
Subject and Servant,

WORCESTER.

A Stupendious or a Water-Commanding Engine, boundless for Height, or Quantity, requiring no External, nor even Additional help, or force to be set, or continued in motion, but what intrinsecally is afforded from its own Operation, nor yet the twentieth part thereof: And the Engine consisteth of the following Particulars;

1. A perfect Counterpoize for what Quantity soever of Water.

2. A perfect Countervail for what Height soever it is to be brought unto.

3. A *Primum Mobile* commanding both

Height and Quantity Regulator-wise.

4. A Vicegerent or Countervail ſupplying the place, and performing the full force of a Man, Wind, Beaſt, or Mill.

5. A Helm or Stern, with Bitt and Reins, wherewith any Child may guide, order, and controul the whole Operation.

6. A particular Magazine for Water, according to the intended Quantity or Height of Water.

7. An Aquaduct capable of any intended Quantity or Height of Water.

8. A place for the Original Fountain or even River to run into, and naturally of its own accord incorporate it ſelf with the riſing Water, and at the very bottom of the ſame Aquaduct, though never ſo big or high.

By Divine Providence, and Heavenly Inſpiration, this is my Stupendious Water-Commanding Engine, boundleſs for Height and Quantity.

Who-

Whoſoever is Maſter of Weight,
Is Maſter of Force;
Whoſoever is Maſter of Water,
Is Maſter of both:

And conſequently, to him all Forceable Actions and Atchievments are eaſie, which are in any wiſe beneficial to or for Mankind.

Exegi Monumentum ære perennius,
Regalique ſitu Pyramidum altius;
Quod non imber edax, non Aquilo impotens,
Poſſit diruere, aut innumerabilis Horace.
Annorum ſeries, & fuga temporum:
Non omnis moriar, multáque pars mei
Vitabit Libitinam,
dum ſtabit Anglia. Capitolium.

Reader obſerve, This tells us how to keep
Our morning-Thoughts awake, while others ſleep:
'Tis Art and Nature's product, ſcan'd by ſome:
Judge of it by th' Effects; then give your doom.

To God alone be all Praiſe, Honour and Glory, for ever and ever. Amen.

WORCESTER.

[15 Cha II Private Acts, c. 15]

An Act to Enable

Edward Marquess of *Worcester* to Receive the Benefit and Profit of a Water-Commanding Engine by him Invented; One Tenth part whereof is appropriated for the Benefit of the Kings Majesty, His Heirs and Successors.

WHEREAS The Right Honourable Edward Marquess of Worcester hath affirmed to the Kings most Excellent Majesty, That he hath by long and indefatigable pains and study, and with great and vast expences,

ces, invented and found out a Secret in Nature, never heretofore discovered, being a Water-Commanding Engine, of greater force and advantage then hitherto hath been known; and being no Pump or Force now in use, nor Working by any Suckers, Barrels, or Bellows heretofore used for the raising and conveying of Water; Which said Engine will yield very great benefit and advantage to the Common-Wealth, by draining of all sorts of Mines, Marish, Mazie, or Overflown Grounds; by furnishing of Rivers and Cutts with Water to make them Navigable and Portable from Town to Town; by improving of Lands wanting Water; by the supplying and bringing in of Water into the City of London, or into any other places; and by divers other Ways and means Whereby great Encouragement will be given to the People of this Nation to undertake to Work rich Mines, to drain, and gain in many Marish, Mazie, and surrounded Grounds, Which

hitherto

hitherto they have been deterred to endeavour the improvement of, by reason of the vast sums of money which must be necessarily expended by the draining and conveying away the water out of the same. And whereas the said Edward Marquels of Worcester is willing and contented to setle a tenth part of the accruing benefit thereof upon His Majesty, His Heirs and Successors, for the term of years after in this Act mentioned; To the end therefore that the said Edward Marquels of Worcester may have and enjoy the full and particular benefit and profit of this his new Invention, with a Prohibition to all others to make use thereof for ninety and nine years: May it therefore please the Kings most Excellent Majesty, That it may be Enacted, And Be it Enacted by the Kings most Excellent Majesty, by and with the Advice and Consent of the Lords Spiritual and Temporal, and the Commons in this present Parliament Assembled, and by the Authority

rity thereof, That it shall and may be lawful to and for the said Edward Marquels of Worcester, His Executors and Assigns, from time to time, and at all times hereafter, during the said ninety and nine years, to have, receive, take, and enjoy, to his and their own proper use and uses, the Profit, Benefit, and Advantage which shall any ways arise, happen, or accrue by means or reason of the aforesaid Engine and new Invention. And be it also Enacted by the Authority aforesaid, That one full tenth part of the accruing Benefit thereof (without deduction or abatement for or by reason of any Charges or Expences Whatsoever) shall be paid and answered, and accounted for by the said Edward Marquels of Worcester, his Executors, Administrators, and Assigns, for His Majesty, his Heirs and Successors, into His Majesties publick receipt of Exchequer yearly, and every year at the Feasts of Saint Michael the Arch-angel, and the Annunciation of

the

the Blessed Virgin Mary, during the said Term of Ninety nine years, the first payment to be made at the Feast of Saint Michael the Arch-angel, which shall be in the year of our Lord God, One thousand six hundred sixty and three; And be it further Enacted by the Authority aforesaid, that if any Person or Persons whatsoever within his Majesties Kingdom of England & Dominion of Wales, and Town of Berwick upon Tweed, and the Dominions and Territories thereunto belonging, do, or shall at any time hereafter, during the said term, Counterfeit, Imitate, put in practice, or erect the said Water-commanding Engine (without the consent and License first had and obtained in Writing from the said Edward Marquels of Worcester, or his Assignes) That it shall, and may be lawful to and for the said Edward Marquels of Worcester, or his Assignes, with his, or their Agents or Work-men by a Warrant from the Lord Chief Justice, or from any

two

two Justices of Peace within the respective County or Liberty, where such search shall be made, and assisted by the Constable or Constables neer adjacent, to enter into, or upon the said place or places where the said Work or Engine shall be made or erected; And upon discovery of any such Engine, to proceed against the said Person or Persons by Action, Information or Indictment; and after Conviction thereof in due course of Law in any Assizes, or publique Sessions of the Peace, or any of the Courts at Westminster, or any other his Majesties Courts of Record in any City, Burrough, or Town Corporate, or in any Stanary, Court, or Jurisdiction of Lead-mines; Then such Engines to be forfeited, and seized to and for the use of the said Edward Marquess of Worcester, his Executors, Administrators and Assignes respectively: And further, that the said Actor or Actors, Contriver or Contrivers thereof, and every of them, shall lose, and forfeit

Five pounds of lawful Money of England an Hour, for every Hour, he or they shall be Convicted, by one or more credible Witnesses upon Oath, to use the same, after such Conviction Without the consent and License of the said Edward Marquels of Worcester, or his Assignes, first had and obtained in manner as aforesaid; the same to be recovered in the name of the said Edward Marquels of Worcester, his Executors, or Assignes, at the Common Law by any Action or Actions to be grounded upon this Statute; The same Action and Actions to be heard, and determined in any of his Majesties Courts of Record, in Which Suit no Essoign, Protection, or Wager of Law shall be allowed; one third part Whereof shall be to the Kings most Excellent Majesty, one other third part to the Informer or Discoverer, and the other third part to the said Marquels of Worcester, his Executors and Assignes. Provided always, and it is hereby Declared, That this

this Act, or any thing therein contained, shall not prejudice any other Water-Work or Engine now known and used, nor any Person or Persons, who before the making of this present Act have obtained any Letters Patents from his Majesty, for the sole making and using of any new Engine for the carriage of Water; But that the said other Water-Work, and the said Letters Patents shall be and remain of the same force and effect, as if this Act had never been had or made, any thing herein contained to the contrary notwithstanding. Provided allways, that nothing in this Act contained shall be construed, or taken to prejudice, or hinder any Person or Persons from making, or using any Engine, Device or Invention, for the raising and carriage of Water, other then the Engine in this Act mentioned; And that a Model thereof be delivered by the said Marquels, or his Assignes, to the Lord Treasurer or Commissioners for the Treasury for the time being, at or be-

fore the Nine and twentieth day of September, One thousand six hundred sixty three; And be by him or them then put into the Exchequer, and kept there.

Copia vera.

Jo. Brown Clerie. Parliament.

In

In admirandam magis quàm imitandam, aut ullis Encomiis satis prædicandam, Illustrissimi Domini Marchionis Vigorniæ Machinam Hydraulicam, Elogium.

Barbara Pyramidum sileat miracula Memphis,
Assiduus jactet nec Babylona labor. Horat.

SIste viator, depone sarcinam, & dum reficis membra
Labore languida, pasce mentem novitatis avidam;
Perpende gyganteam hanc molé, æterni motus æmulam,
Naturæ & Artis compaginem, Cœli Solíque stuporem.

Pondera ponderibus librata hîc Æthera scandunt,
Et redeunt proprias mox subitura vices.
Mens prægnans agitata Deo, nunc præstat in Orbe,
Quæ nec stellifero sunt tribuenda Polo.

Taceat Rhodus, facessat Ephesus, et quicquid fabulosæ
Prædicat antiquitas; illic laudanda Artificis industria,
Hîc admiranda mentis sublimitas celebranda venit.
Cui impares fuere tot seculis retroactis omnes Græci,

Et

Et Romani, humana conatu, id præstitit nostra Ætate unus Cambrobritannus, *Divino afflatu:*

Soli Deo Gloria.

Martis & Imperii Palmam fert Roma perennem;
Artis & Ingenii Cambria culmen habet.

----pauci, quos æquus amavit
Jupiter, aut ardens evexit ad æthera virtus,
Hoc potuere. ----

Jacobus Rollocus,
Scoto-Belga-Britannus.

A Panegyrick to the Right Honourable EDWARD, *Lord Marqueſs of* Worceſter,

Upon his ſtupendious and never-ſufficiently-commended Water-work.

I know mean ſubjects need a skilful Pen
To ſtretch their worth on tenter-hooks, but when
A Theam falls out ſo pregnant, who can chuſe
But ſtrain his vulgar Wit to prove a Muſe?

COme, fainting Pilgrim, lay here down thy Pack,
And, while thou reſts thy wearied limbs, look back
Upon this Pageant, th' Emblem of his mind,
Whoſe Art and Skill hath this our Age refin'd.

Here little *David* curbs the Gyant's brood,
Small drops of Rain contend with *Noah*'s Flood;
One weighs a thouſand coming down apace,
Weighs but himſelf when he hath run his race.

The Heavens admire, the Centre ſtands amaz'd,
To ſee ſuch Streams by ſo ſmall Forces rais'd.
Great is the Work, but greater is the Fame
Of that great Peer who did invent the ſame.

What Force or Strength can do is in his reach,
His long Experience, Coſt and Charges, teach;

What Greeks, nor Romans e're could do, this day,
Our Noble Britain here hath found the way.

If Ages paſt had bred you, we had ſeen
Your Glories current run a bigger ſtream;
But Art and Envy meeting face to face,
Like *France* and *Spain*, diſpute who ſhall take place.

None but ignoble Minds love to detract
From th'Honour due to ſuch a noble Act:
On then, that after-ages may relate
Your Service done to Country, King and State.

And though that envious Spirits ſpit their gall,
Your noble Deeds are ſo well known to all,
As if their malice ſhould take from your praiſe,
Your own deſerts will crown your head with Bays.

By your Lordſhips
moſt humble and faithful Servant,

James Rollock.